

# International Climate of the 20<sup>th</sup> Century Project

## Standard Diagnostics

Monthly means (continuous mean or average of 6-hourly data) for each ensemble member for the following fields (MKS units, except as indicated otherwise):

- Zonal-mean cross sections
  - zonal wind (positive from the west)
  - meridional wind (positive from the south)
  - air temperature
  - specific humidity
  - WMO standard levels: 1000, 925, 850, 700, 600, 500, 400, 300, 250, 200, 150, 100, 70, 50, 30, 20, and 10 hPa

Total of 4 zonal-mean cross sections

- Global horizontal grids at model resolution
  - geopotential height
    - 500 hPa
    - 200 hPa
  - mean sea level pressure
  - precipitation rate (mm/day)
  - evaporation rate (mm/day)
  - air temperature
    - 2m
    - 850 hPa
  - zonal wind
    - 850 hPa
    - 200 hPa
  - meridional wind
    - 850 hPa
    - 200 hPa
  - Total heat flux (net solar radiation + net long-wave radiation + sensible heat flux + latent heat flux; positive downward)
  - Total precipitable water (suggested by Siegfried Schubert)
  - Vertically integrated moisture flux (suggested by Siegfried Schubert)
    - Zonal component
    - Meridional component
  - Zonal wind stress
  - Meridional wind stress
  - Surface soil water content (upper 0.1 m)
  - Snow depth
  - Land-sea mask

Total of 20 global horizontal grids

**THESE DATA ARE TO BE SHARED BY ALL PARTICIPATING MODELING GROUPS VIA DODS SERVERS WITH APPROPRIATE METADATA DOCUMENTATION ON THE SERVER**